

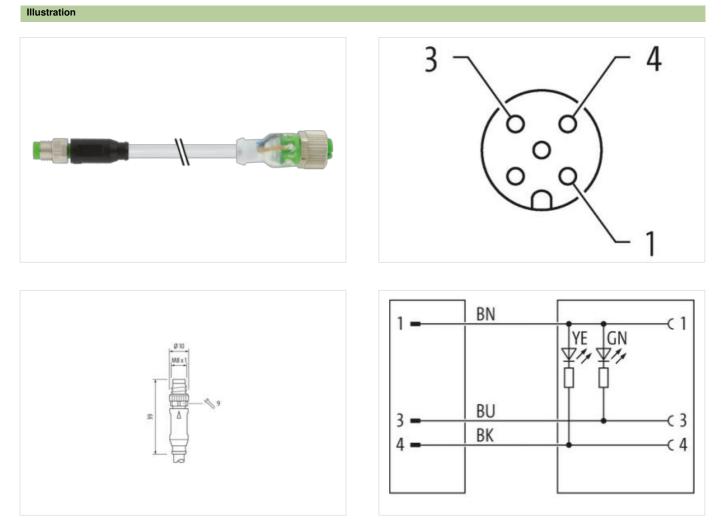
## M8 male 0° / M12 female 0° A-cod. LED

PUR 3x0.25 gy UL/CSA 1m

## 

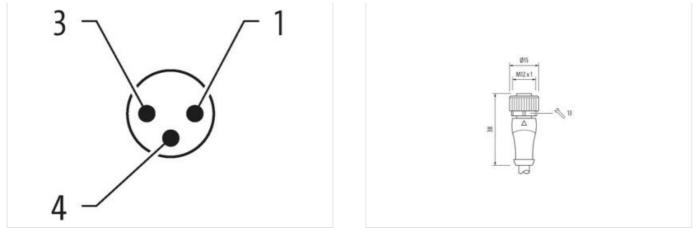
Male straight – female straight M8 – M12, 3-pole 2× LED (PNP), (NPN) on request Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-02





Product may differ from Image



| Cable length   | 1 m           |
|--|---------------|
| Side 1   |               |
| Tightening torque                                    | 0,4 Nm        |
| Family construction form                             | M8            |
| Thread   | M8 x 1        |
| suitable for corrugated tube (internal Ø)            | 6,5 mm        |
| No. of poles   | 3             |
| Width across flats                                   | SW9           |
| Side 2   |               |
| Tightening torque                                    | 0,6 Nm        |
| Family construction form                             | M12           |
| Thread   | M12 x 1       |
| suitable for corrugated tube (internal $\emptyset$ ) | 10 mm         |
| No. of poles   | 3             |
| Width across flats                                   | SW13          |
| Commercial data                                      |               |
| ECLASS-6.0   | 27279218      |
| ECLASS-6.1   | 27279218      |
| ECLASS-7.0   | 27279218      |
| ECLASS-8.0   | 27279218      |
| ECLASS-9.0   | 27060311      |
| ECLASS-10.1  | 27060311      |
| ECLASS-11.1  | 27060311      |
| ECLASS-12.0  | 27060311      |
| ETIM-5.0   | EC001855      |
| customs tariff number                                | 85444290      |
| GTIN   | 4048879123747 |
| Packaging unit                                       | 1             |
| Electrical data   Supply                             |               |
| Operating voltage DC                                 | 24 V          |
| Operating voltage DC min.                            | 18 V          |
| Operating voltage DC max.                            | 30 V          |

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| Durrent operating par contact max.     4 A       Degenic In LED     groun, vallow       Device protection I Electrical     groun, vallow       Device protection I Electrical     international contact max.       Bagenice of protection group     international contact max.       Additional conting protection degree     a       Based surge voltage     0.8 kV       Material group (IEC 60564-1)     1       Material protein direction data     max.       Material protein direction data     max.       Material protein direction data     PUR       Locking numbrid     Ported, screwed, Staking protection       Murufing method     reserved, screwed, Staking protection       Murufing method     reserved, screwed, Staking protection       Environmental characteristics (Initiatic     Generating on cable quality       Operating temperature max.     85-G       Conting temperature max.     85-G       Conting temperature max.     85-G       Conting temperature max.     85-G  | Operating voltage DC max. (UL-listed)    | 30 V  |
|--|--|---|
| Status indication LEDgreen, yellowDevice protection (ENE C 6029)IP65, IP67, IP68, IP65KAdditoral condition protection digreeinserted, screwedAdditoral condition protection digree0.8 KVRelation group (EC 6064-1)IRelation group (EC 6064-1)IRecharal troup (EC 6064-1)indice jatedCoding laciding nutnickle jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)group (EC 6064-1)Locking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)group (EC 6064-1)Locking ration group (EC 6064-1)group (EC 6064-1)Paration group (EC 6064-1)group (EC 6064-1)Coding ration group (EC 6064-1)group (EC 6064-1)Paration (EC 6064-1)group (EC 6064-1)Coding ration group (EC 6064-1)group (EC 6064-1)Coding ration (EC 6064-1)group (EC 6064-1)  |  | 4 A   |
| Status indication LEDgreen, yellowDevice protection (ENE C 6029)IP65, IP67, IP68, IP65KAdditoral condition protection digreeinserted, screwedAdditoral condition protection digree0.8 KVRelation group (EC 6064-1)IRelation group (EC 6064-1)IRecharal troup (EC 6064-1)indice jatedCoding laciding nutnickle jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)group (EC 6064-1)Locking ration group (EC 6064-1)indice jatedLocking ration group (EC 6064-1)group (EC 6064-1)Locking ration group (EC 6064-1)group (EC 6064-1)Paration group (EC 6064-1)group (EC 6064-1)Coding ration group (EC 6064-1)group (EC 6064-1)Paration (EC 6064-1)group (EC 6064-1)Coding ration group (EC 6064-1)group (EC 6064-1)Coding ration (EC 6064-1)group (EC 6064-1)  |  |   |
| Device protection   Electrical     Product protection (EN EC 60202)     Product product protection (EN EC 60202)     Product pro |  | areen vellow                                      |
| Degree of protection (EN IEC 60529)IP85, IP87, IP88, IP86KAdditional condition protection degreeiserned, screwedPalota support (IEC 60529)0.8 kVRated support (IEC 60541)I <b>Kechnicit dial [Metral data</b> incled platedCatafing looking nutnickel platedMaterial group (IEC 60541)I <b>Kechnicit dial [Metral data</b> incled platedMaterial roup (IEC 60541)PUPLocking nut materialZin cio castingLocking nut materialBarset screwed, Shaking portection <b>Kechnicit dial Mouring data</b> Barset, screwed, Shaking portection <b>Kechnicit dial forum instrain</b> 25 °COperating temperature min.25 °CControllDist 81076 2-101 (M2), Dist B 61076 2-114 (M8) <b>Katifica Confliction</b> 20Cable Toppe2Cable Toppe2Cable Toppe2Cable Toppe9 °CCable Toppe9 °C </td <td></td> <td>green, yenow</td>   |  | green, yenow                                      |
| Additional condition protection degree inserted, screwed   Polution Degree 3   Rater surge vortage 0,8 kV   Material group (EC 60664-1) 1   Hechanical data   Material data inckel plated   Locking screw coaling nickel plated   Locking screw coaling nickel plated   Locking screw coaling nickel plated   Locking material screw Brass   Mechanical data   Mounting data Plate   Locking material screw Brass   Mechanical data   Mounting data Inserted, screwed. Shaking protection   Environmental characteristics   Climatic Conformity   Operating temperature min. -25 °C   Operating temperature max. 85 °C   Conformity Conformity   Poduct standad DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandical Codie DIN EN 61076 2-101 (M12), DIN EN 61076 2-114 (M8)   Instandical Codie grav   Type of Carification 220   Cable identification 220   Cable identification 220   Cable identification 240   Stranding a wires twisted   Material stranding 1   Stranding a wires twisted   Material Stranding 45 % Sore   | · ·                                      |   |
| Pathation Degree     3       Rated surge voltage     0,8 kV       Material group (EC6 6066-1)     1       Mechanical data [Material data     Control (EC6 6066-1)       Control polyme (EC6 6066-1)     nickel plated       Locking nut     nickel plated       Locking nut material     Zinc die casting       Locking mathical externa     Brass       Mechanical data [Mounting data     Insertial, scrowed. Shaking protection       Environmental characteristics [Climatic     Concentry       Operating temperature min.     25 °C       Operating temperature min.     25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contomity     Product 20 °C       Cable fortig     gray       Type of Carificate     culPus       Cable fortig     gray       Type of Carificate     culPus       Cable weight     26,82 grim       Material grace     3       Stranding     3 weise Netled       wire arringgement     brown, black, blue       Cable weight     26,82 gri  |  |   |
| Rated supp voltage     0.8 kV       Material group (IEC 60684.1)     1       Mechanical data (Material data)     Inckel plated       Coating locking nut     nickel plated       Locking sorw coating     nickel plated       Material nousing     PUR       Locking mut material     Zino die-casting       Locking material screw     Brass       Mechanical data (Mounting data)     Mechanical data (Mounting data)       Mechanical data (Mounting data)     Sino die-casting       Operating tomperature min.     25 ° C       Operating tomperature min.     25 ° C       Operating tomperature max.     25 ° C       Operating tomperature max.     25 ° C       Contornity     Contornity       Product standard     DIN EN 61076 2 101 (M12), DIN EN 61076 2 114 (M8)       Installication (Cable     Cable forenilication       Cable forenilication     20       Cable forenilication     20       Cable forenilication     20       Cable forenilication     20 Size grin       Material avies twistod     UPR size avies twistod       Amount stranding     1  |  |   |
| Material group (IEC 60064-1)     I       Mechanical data [ Material data       Coaling locking nut     nickel plated       Locking screw coaling     mickel plated       Locking nut material     Zino dis-cashing       Locking material screw     Brass       Mechanical data [ Mounting data     Mechanical data [ Mounting method       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics [ Climatic     Operating temperature max.       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conormity     Product standard       Product standard     DIN EN 61076-2101 (M12), DIN EN 61076-2-114 (M8)       Installation] Cable     Cable quality       Cable Infination     220       Cable Infination     220       Cable Infination     2       Stranding     1       Stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blae       Cable weigh     26 5 2 5 Noro A       Freedom Tom ingredents (gacki)     4.3 mm   |  |   |
| Mechanical data   Material data       Coading locking nut     nickel plated       Locking screw coating     nickel plated       Metrial noting     PUB       Locking nut material     Zine dis-casting       Locking nut material     Zine dis-casting       Mechanical data   Mounting data     Mechanical data   Mounting data       Mechanical data   Mounting data     Sine dis-casting       Contrometal characteristics   Climatic     Commental characteristics   Climatic       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Contormity     Poduct standard       Product standard     DIN EN 61076-2-114 (MB)       Installation   Cable     Cable Type       Cable Type     2       Jacket Color     gray       Type of Certificate     CUFus       Anount stranding     1       Stranding     1       Stranding     1       Stranding     1       Stranding     5 ± 5 Shore A       Freedom from ingredients (gacket)     Isac dentries, core insulation       Outer diameter (isacket)   |  | 0,8 kV  |
| Caling locking nutnickel platedLocking screw cealingnickel platedMaterial housing NPURLocking nut materialZinc die-castingLocking nut material screwBrassMechanical data I Mounting dataMounting methodinserted, screwed. Shaking protoctionEnvironmental characteristics I ClimaticEnvironmental characteristics I ClimaticContromityProduct standingEnvironmental condition temperature rangedepending on cable qualityCable StaffEdus itempication220Cable Type2Cable Type2Cable Type2Cable Type3 wires twistedwire arrangementDorow, Black, BlueCable weight2.65 ± S Shore AFreedom from ingredients (glackt)4.5 ± S Shore AFreedom from ingredients (glackt)4.5 ± S Shore DMaterial vie insulation2.4 Curronmental characteristicsCuter diameter insulation4.5 ± S Shore DMaterial Insulation2.4 Curronmental characteri  |  |   |
| Locking screw coaling   nickel plated     Material housing   PUR     Locking material   Zinc die-casting     Locking material screw   Brass     Mechanical data   Mounting data   Inserted, screwed, Shaking protection     Environmental characteristics   Climatic   Operating temperature max.     Operating temperature max.   88 °C     Additional condition temperature max.   88 °C     Cable of another temperature max.   88 °C     Additional condition temperature max.   80 °C     Cable of another temperature max.   90 °C     Cable of another temperatu  | · ·                                      |   |
| Material housing     PUR       Locking nut material     Zinc die casting       Locking nut material serve     Brass       Mechanical data [Mounting dat     inserted, screwed, Shaking protection       Environmental characteristics [ Glimatic     Operating temperature min.     25 °C       Operating temperature max.     88 °C     Additional condition temperature mage     depending on cable quality       Contromity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Environmental for the form of  |  |   |
| Locking nut material     Zinc die-casting       Brass     Mechanical data   Mounting data       Mounting method     Inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Operating temperature min.     -25 °C       Operating temperature max.     85 °C  |  |   |
| Locking material screw     Brass       Mechanical data [Mounting data     Inserted, screwed, Shaking protection       Environmental obtancteristics [Climatic     Operating temperature max.     85 °C       Additional condition temperature max.     85 °C     Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable       Cable dientification     220     Cable forget     Cable forget       Cable Type     2     Cable Type     Cable forget       Jacket Color     gray     Type of Certificate     CURus       Armount stranding     1     Stranding     Stranding       Stranding     3 wires twisted     Stranding     Stranding       Stranding     3 wires twisted     Cable request the combine-free     Culter-dimeter (gabet)       Outer-dimeter (gabet)     4.3 m     Tolerance outer diameter (scheat)     Store A       Freedom from ingredients (gabet)     4.3 m     Tolerance outer diameter (scheat)     Store Markenss jacket     Store Markenss wire insulation     PVC       Arount wires     3     3     <   | -  | PUR   |
| Mechanical data   Mounting data       Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic     Concommental characteristics   Climatic       Operating temperature main.     25 °C       Operating temperature main.     85 °C       Additional condition temperature range     depending on cable quality       Contromity     Product standard       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable identification       Cable identification     220       Cable Identification     220       Cable Color     gray       Type of Certificate     CURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weight     26,62 grin       Material packet     85 ± 5 Shore A       Freedom from ingredients (gacket)     43 fm       Tolerance outer diameter (geketh)     15 %       Material wein suitation     125 mm       Outer diameter (geketh)     13 5 mm       Outer diameter (geketh)     13 5 Shore D </td <td>Locking nut material</td> <td>Zinc die-casting</td>   | Locking nut material                     | Zinc die-casting                                  |
| Mounting method     inserted, screwed, Shaking protection       Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature max.     86 °C       Additional condition temperature max.     87 °C       Additional condition temperature max.     87 °C       Additional condition temperature max.     82 °C       Additional condition temperature max.     87 °C       Additional condition temperature max.     87 °C       Type of Certifica  | Locking material screw                   | Brass   |
| Environmental characteristics   Climatic       Operating temperature min.     -25 °C       Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conformity     Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable definition     220       Cable definition     220     Cable definition       Zacket Color     gray     Type of Certificate     cURus       Amount stranding     1     Stranding     Stranding       Stranding     3 wires twisted     wires twisted     Wire arrangement       Browe hardmess jacket     PUR     Stone A     Stone A       Freedom from ingredients (jacket)     lead free, cadmium-free, CFC-free, silicone-free     Cuter-diameter (jacket)     4.3 mm       Tolerance outer (jacket)     4.3 mm     Store A     Store A     Store A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free     Cuter-diameter (jacket)     4.3 mm       Tolerance outer (jacket)     4.3 mm     Store A     Store A     Store A       Freedom from ingredients (jacket)<   | Mechanical data   Mounting data          |   |
| Operating temperature min25 °COperating temperature max. $85 °C$ Additional condition temperature may. $85 °C$ Additional condition temperature rangedepending on cable qualityConformityProduct standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   Cable220Cable identification220Cable identification220Cable identification220Cable identification0.01 RusJacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedem from ingredients (jacket)4.3 mmTolerance outer diameter (sheath) $\pm 5 %_{0}$ Material wire insulationPVCAmount wires3Outer diameter insulation1.25 mmOuter diameter insulation $1.25 mm$ Outer diameter insulation $1.25 mm$ Material properties wire insulation $24 ° Shore D$ Material properties wire insulation $25 %_{0}$ Material properties wire insulation $25 ° Shore D$ Shore hardness wire insulation $25 ° Shore D$ Material properties wire insulation $25 ° Shore D$ Material properties wire insulation $26 ° Stramed copper wire, bareAnount twires32Diameter of single wires0.1 mm$  | Mounting method                          | inserted, screwed, Shaking protection             |
| Operating temperature max.     85 °C       Additional condition temperature range     depending on cable quality       Conomity     INE N6 1076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable     Cable Identification       Cable Identification     220       Cable Identification     gray       Type of Certificatio     clin Karting       Additional (Gable Color)     gray       Type of Certificatio     cliRus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable dentification     25 §/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     43 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation  | Environmental characteristics   Climatic |   |
| Additional condition temperature range   depending on cable quality     Contormity   DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)     Installation   Cable   Cable identification     Cable identification   220     Cable Type   2     Jacket Color   gray     Type of Certificate   cURus     Amount stranding   1     Stranding   3 wires twisted     wire arrangement   brown, black, blue     Cable weigth   26,62 g/m     Material jacket   PUR     Shore hardness jacket   85 ± 5 Shore A     Freedom from ingredients (jacket)   lead-free, cadmium-free, CFC-free, silicone-free     Outer-diameter (jacket)   4,3 mm     Tolerance outer diameter (sheath)   ± 5 %     Material wire insulation   PVC     Amount wires   3     Outer diameter insulation   1,25 mm     Outer diameter insulation   4.3 Shore D     Material properties wire insulation   4.3 Shore D     Material properties wire insulation   4.3 Shore D     Material properties wire insulation   9.0 deachree, cadmium-free, CFC-free, silicone-free     Amount wires   | Operating temperature min.               | -25 °C  |
| Conformity       Product standard     DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)       Installation   Cable       Cable identification     220       Cable identification     220       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigh     26,62 g/m       Material jacket     PUR       Shore Anardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %       Shore Dardness wire insulation     4.3 5 Shore D       Material properties wire insulation     1.25 mm       Outer diameter insulation     1.25 mm       Outer diameter insulation     4.3 5 Shore D       Material p  | Operating temperature max.               | 85 °C   |
| Product standardDIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8)Installation   CableCable identification220Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (sheath)± 5 %Material jacketPVCAmount stranding1Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial yeines wire insulation920Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation25 Shore DMaterial yeine insulation920Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation920Outer diameter tolerance core insulation± 5 %Shore bardness wire insulation92Diameter of single wires0,1 mmConductor corssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor twireStranded copper wire, bareConductor twireStranded copper wire, bareConductor twireStranded copper wire, bareConductor twireStranded co  | Additional condition temperature range   | depending on cable quality                        |
| Installation   Cable       Cable identification     220       Cable Type     2       Jacket Color     gray       Type of Certificate     cURus       Amount stranding     1       Stranding     3 wires twisted       wire arrangement     brown, black, blue       Cable weigth     26.62 g/m       Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4.3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     4.3 ± 5 hore D       Material wire insulation     4.3 ± 5 hore D       Material wire insulation     4.3 ± 5 %       Shore hardness wire insulation     4.3 ± 5 %       Shore hardness wire insulation     4.3 ± 5 %       Diameter tolerance core insulation     ± 5 %.       Shore hardness wire insulation     4.3 ± 5 % core D </td <td>Conformity</td> <td></td>  | Conformity                               |   |
| Cable identification220Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter insulation± 5 %Material properties wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient free, cadmium-free, CFC-free, silicone-freeMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeneess wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orwise0,1 mmConductor wireStranded copper wire, bareConductor wireStranded copp   | Product standard                         | DIN EN 61076-2-101 (M12), DIN EN 61076-2-114 (M8) |
| Cable Type2Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter diameter (jacket)4.3 mmTolerance outer diameter (sheath)± 5 %Material properties wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Material properties wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulation1ead-free, cFC-free, silicone-freeOuter diameter folerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulation1ead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor wireStrand class 6   | Installation   Cable                     |   |
| Jacket ColorgrayType of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 $\pm$ 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath) $\pm$ 5 %Material jacket3Outer diameter null wire insulationPVCAmount wires3Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Outer diameter tolerance core insulation $\pm$ 5 %Shore hardness wire insulation $\pm$ 5 %Shore hardness wire insulation $3 \pm$ 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crossection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor wireStranded copper wire, bareConductor wireStranded copper wire, bare   | Cable identification                     | 220   |
| Type of CertificatecURusAmount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation9 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationgood machinabilityIngredient freeness wire insulation92Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  | Cable Type                               | 2   |
| Amount stranding1Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26.62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationis 2 shore DMaterial properties wire insulation32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor vireStranded copper wire, bareConductor vireStranded copper wire, bare   | Jacket Color                             | gray  |
| Stranding3 wires twistedwire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Material properties wire insulation1,25 mmOuter diameter tolerance core insulation± 5 %Material properties wire insulation43 ± 5 Shore DMaterial properties wire insulation43 ± 5 Shore DMaterial properties wire insulationka ± 5 Shore DMaterial conductor wire32Diameter of single wires0,1 mmConductor vireeStranded copper wire, bareConductor wireStranded copper wire, bare <tr< td=""><td>Type of Certificate</td><td>cURus</td></tr<>  | Type of Certificate                      | cURus   |
| Vire arrangementbrown, black, blueCable weigth26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation± 5 %Material properties wire insulation1,25 mmIngredient freeness wire insulation± 5 %Material properties wire insulation1,25 mmDiameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  | Amount stranding                         | 1   |
| Cable weigh26,62 g/mMaterial jacketPURShore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter tolerance core insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor orosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strande copper wire, bare   | Stranding                                | 3 wires twisted                                   |
| Material jacket     PUR       Shore hardness jacket     85 ± 5 Shore A       Freedom from ingredients (jacket)     lead-free, cadmium-free, CFC-free, silicone-free       Outer-diameter (jacket)     4,3 mm       Tolerance outer diameter (sheath)     ± 5 %       Material wire insulation     PVC       Amount wires     3       Outer diameter tolerance core insulation     1,25 mm       Outer diameter tolerance core insulation     ± 5 %       Shore hardness wire insulation     43 ± 5 Shore D       Material properties wire insulation     good machinability       Ingredient freeness wire insulation     lead-free, cadmium-free, CFC-free, silicone-free       Amount strands (wire)     32       Diameter of single wires     0,1 mm       Conductor crosssection (wire)     0,25 mm²       Material conductor wire     Stranded copper wire, bare       Conductor vire     Stranded copper wire, bare  | wire arrangement                         | brown, black, blue                                |
| Shore hardness jacket85 ± 5 Shore AFreedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6   | Cable weigth                             | 26,62 g/m   |
| Freedom from ingredients (jacket)lead-free, cadmium-free, CFC-free, silicone-freeOuter-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  | Material jacket                          | PUR   |
| Outer-diameter (jacket)4,3 mmTolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6   | Shore hardness jacket                    | 85 ± 5 Shore A                                    |
| Tolerance outer diameter (sheath)± 5 %Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  |  | lead-free, cadmium-free, CFC-free, silicone-free  |
| Material wire insulationPVCAmount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  |  | 4,3 mm  |
| Amount wires3Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6   |  |   |
| Outer diameter insulation1,25 mmOuter diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  |  | PVC   |
| Outer diameter tolerance core insulation± 5 %Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  | Amount wires                             | 3   |
| Shore hardness wire insulation43 ± 5 Shore DMaterial properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6   | Outer diameter insulation                | 1,25 mm   |
| Material properties wire insulationgood machinabilityIngredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6   | Outer diameter tolerance core insulation |   |
| Ingredient freeness wire insulationlead-free, cadmium-free, CFC-free, silicone-freeAmount strands (wire)32Diameter of single wires0,1 mmConductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  | Shore hardness wire insulation           | 43 ± 5 Shore D                                    |
| Amount strands (wire)   32     Diameter of single wires   0,1 mm     Conductor crosssection (wire)   0,25 mm²     Material conductor wire   Stranded copper wire, bare     Conductor type (wire)   strand class 6  |  |   |
| Diameter of single wires 0,1 mm   Conductor crosssection (wire) 0,25 mm²   Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6   | -  |   |
| Conductor crosssection (wire)0,25 mm²Material conductor wireStranded copper wire, bareConductor type (wire)strand class 6  |  |   |
| Material conductor wire Stranded copper wire, bare   Conductor type (wire) strand class 6  |  | 0,1 mm  |
| Conductor type (wire) strand class 6   |  |   |
|  |  |   |
| Traversing distance (C-track) 5 m @ 25 °C   horizontal   |  |   |
|  | Traversing distance (C-track)            | 5 m @ 25 °C   horizontal                          |

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| Travel speed (C-track)                            | 2 Mio. @ 25 °C                                       |
|---|--|
| Nominal voltage AC max.                           | 300 V  |
| Current load capacity (standard)                  | to DIN VDE 0298-4                                    |
| Current load capacity min. wire                   | 4,5 A  |
| Electrical resistance line constant wire          | 79 Ω/km @ 20 °C                                      |
| AC withstand voltage (wire - wire)                | 2 kV @ 60 s  |
| Power frequency withstand voltage (wire - jacket) | 2 kV @ 60 s  |
| Min. operating temperature (static)               | -30 °C   |
| Max. operating temperature (fixed)                | 80 °C  |
| Operating temperature min. (dynamic)              | -5 °C  |
| Operating temperature max. (dynamic)              | 80 °C  |
| Flame resistance                                  | UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2  |
| chemical resistance                               | Good, application-related testing                    |
| Gasoline resistance                               | Good, application-related testing                    |
| Oil resistance                                    | DIN EN 60811-404   Good, application-related testing |
| Bending radius (fixed)                            | 10 x Outer diameter                                  |
| Bending radius (dynamic)                          | 15 x Outer diameter                                  |

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